Contents Volume 12 (1989)

Aguiar, J.A.O. de, Brom, H.B., Jongh, L.J. de, Schmid, G.: EPR on the high-nuclearity palladium cluster $Pd_{561}Phen_{36}O_{200}$ 457

Aguiar, J.A.O. de, → Jongh, L.J. de 445

Aguiar, J.A.O. de, → Santos, M.C. dos 391

Alonso, J.A., → López, M.J. 237

Amblard, J., → Mostafavi, M. 31

Avalos-Borja, M., → Garzón, I.L. 185

Avalos-Borja, M., → Garzón, I.L. 181

Bagus, P.S., → Pacchioni, G. 543

Balbás, L.C., → Rubio, A. 209

Barnett, R.N., → Jortner, J. 167

Bartell, L.S., French, R.J.: Electron diffraction studies of pulsed cluster beams 7

Begemann, W., Hector, R., Liu, Y.Y., Tiggesbaümker, J., Meiwes-Broer, K.H., Lutz, H.O.: Sputtered metal and silicon cluster ions: collision-induced fragmentation and neutralization 229

Bellamy, B., → De Gouveia, V. 587

Belloni, J., → Mostafavi, M. 31

Benfield, R.E.: Magnetic properties and EPR spectroscopy of molecular metal clusters 453

Benfield, R.E., Creighton, J.A., Eadon, D.G., Schmid, G.: The relationship of $Au_{55}(PPh_3)_{12}Cl_6$ to colloidal gold 533

Ben-Horin, N., → Jortner, J. 167

Benneman, K.H., → Pastor, G.M. 365

Bergeret, C., Gallezot, P.: Structure flexibility of iridium metal aggregates. Comparison with platinum and rhodium 591

Bergmann, T., Martin, T.P.: Electronic shell structure in Cs-O clusters 443

Berry, R.S.: Small clusters: between dynamics and thermodynamics 161

Blaise, P., → Spiegelmann, F. 341

Blaisten-Barojas, E., Khanna, S.N.: Model potential for beryllium clusters 77

Blaisten-Barojas, E., → Garzón, I.L. 181

Blau, W., → Horan, P. 501

Boitiaux, J.P., → Guerrero, A. 583

Bonačic-Koutecký, V., → Fantucci, P. 307

Bonnelle, C., → Vergand, F. 425

Borel, J.P., → Hall, B. 97

Borel, J.P., → Pasche, S. 401

Bowen, K.H., → McHugh, K.M. 3

Bower, J.E., → Jarrold, M.F. 551

Bréchignac, C., Cahuzac, P., Leygnier, J., Pflaum, R., Roux, J.Ph., Weiner, J.: Stability of alkali-atom clusters 199

Brieu, M., → Gillet, M.F. 107

Brom, H.B., → Aguiar, J.A.O. de 457

Brom, H.B., → Jongh, L.J. de 445

Brom, H.B., → Staveren, M.P.J. van 451, 461

Broyer, M., → Rayane, D. 217, 411

Buck, U., Kesper, J., Lauenstein, C., Tolle, M., Winter, M.: Electron bombardment fragmentation of size selected molecular clusters 293

Burtscher, H., Müller, U., Schmidt-Ott, A.: Monitoring adsorption on small particles 563

Buttet, J., → Khanna, S.N. 357

Buttet, J., → Moullet, I. 353

Cabaud, B., → Rayane, D. 217, 411

Cabaud, B., → Santos Aires, F. 149

Cabaud, B., → Treilleux, M. 131

Cahuzac, P., → Bréchignac, C. 199

Carlan, A., → Desrousseaux, G. 23

Chapon, C., → Henry, C.R. 145

Charlé, K.P., Schulze, W., Winter, B.: The size dependent shift of the surface plasmon absorption band of small spherical metal particles 471

Che, M., → De Gouveia, V. 587

Chefi, C., Hila, F., Gillet, M.: Stresses induced in the deposit substrate interface during small particles growth 153

Cheyssac, P., → Garrigos, R. 497

Coffman, J.D., Gallmann, M., Hertel, I.V.: Kinetic energy release of clusters after multiphoton ionisation with time of flight and electrostatic analyser techniques 297

Cohen, M.L., → Saito, S. 205

Colliex, C., → Ugarte, D. 333

Coq, B., Figueras, F., Tazi, T.: Influence of the precursors on the properties of alumina supported rhodium particles 579

Cosyns, J., → Guerrero, A. 583

Creighton, J.A., → Benfield, R.E. 533

Dalibart, M., Derouault, J.: UV-visible and Raman investigations of matrix isolated adducts between metal vapors of chromium and benzene: selective photoirradiations effects 489

De Crescenzi, M., Lozzi, L., Picozzi, P., Santucci, S.: Core edge energy loss studies of Pd clusters on graphite 417

De Gouveia, V., Bellamy, B., Hadj Romdhane, Y., Masson, A., Che, M.: Electronic effect induced by variation of size for Pd-clusters in 1,3-butadiene hydrogenation 587

Delafosse, D., → Vergand, F. 425

Derouault, J., → Dalibart, M. 489

Desrousseaux, G., Robrieux, B., Renou, A., Carlan, A., Schaffar, H., Gillet, M.: Comparison between the growth of gold particles onto MgO and amorphous carbon substrates by in situ electrical conductance measurements 23

Desrousseaux, G., → Robrieux, B. 27

Ding, A.: Ionization dynamics of van-der-Waals clusters 253

Doll, J.D., → Northby, J.A. 69

Dufour, G., → Vergand, F. 425

Dunlap, B.I., → Rösch, N. 547

Dussert, C., Rasigni, G., Rasigni, M., Palmari, J., Llebaria, A.: Minimal spanning tree analysis of regular, random and cluster structures 41

Eadon, D.G., → Benfield, R.E. 533

Eaton, J.G., → McHugh, K.M. 3

Echt, O., → Leisner, T. 283

Echt, O., → Miehle, W. 273

Ellis, D.E., → Wästberg, B. 377

Even, U., → Jortner, J. 167

Fantucci, P., Bonačic-Koutecký, V., Koutecký, J.: General properties of the electronic structure of alkali metal clusters and I_a-II_a mixed clusters 307

Fantucci, P., → Pacchioni, G. 395

Farges, J., → Raoult, B. 85

Farges, J., → Torchet, G. 93

Fauth, K., Kreibig, U., Schmid, G.: Optical properties of systems containing Au_{55}-clusters 515

Fauth, K., → Kreibig, U. 505

Fayet, P., → Rivoal, J.C. 481

Feraudy, M.F. de, → Raoult, B. 85

Feraudy, M.F. de, → Torchet, G. 93

Figueras, F., → Coq, B. 579

Finck, F., → Légaré, P. 19

Flüeli, M., → Hall, B. 97

Franke, G., Schulte, J.: Quantum mechanics and the structure of noble-gas clusters 65

Freeman, D.L., → Northby, J.A. 69

French, R.J., → Bartell, L.S. 7

Friedel, J.: Conclusions 605

Froben, F.W., Kolenda, J., Möller, K.: Fluorescence spectroscopy of laser vaporized species 485

Fuchs, G., → Santos Aires, F. 149

Fuchs, G., → Treilleux, M. 131

Fujima, N., → Yamaguchi, T. 369

Fuke, K., → Kaya, K. 571

Gallezot, P., → Bergeret, C. 591

Gallmann, M., → Coffman, J.D. 297

Ganteför, G., Gausa, M., Meiwes-Broer, K.H., Lutz, H.O.: Photoemission from tin and lead cluster anions 405

Gao, P.Y., Kunath, W., Gleiter, H., Weiss, K.: The structure of small penta-twinned gold particles 119

Garrigos, R., Cheyssac, P., Kofman, R.: Melting for lead particles of very small sizes; influence of surface phenomena 497

Garzón, I.L., Avalos-Borja, M.: Thermal decay of Lennard-Jones clusters 185

Garzón, I.L., Avalos-Borja, M., Blaisten-Barojas, E.: More on the melting of Lennard-Jones clusters 181

Garzón, I.L., Long, X.P., Kawai, R., Weare, J.H.: Structure and dynamics of Lennard-Jones clusters with impurities 81

Gausa, M., → Ganteför, G. 405

Gillet, E., → Kruse, N. 575

Gillet, M.F., Brieu, M.: Structure investigation of multiply-twinned Ni particles by electron investigation 107

Gillet, M.F., → Renou, A. 139

Gillet, M., → Chefi, C. 153

Gillet, M., → Desrousseaux, G. 23

Gillet, M., → Robrieux, B. 27

Gingerich, K.A., → Shim, I. 373
Giorgio, S., Urban, J.: Structural investigations of metal clusters by HREM 115
Gleiter, H., → Gao, P.Y. 119
Gnutzmann, V., Vogel, W.: Surface oxidation and reduction of small platinum particles observed by in-situ X-ray diffraction 597
Görling, A., → Rösch, N. 547
Goto, T., Komori, F., Kobayashi, S.: Anomalous nuclear spin-lattice relaxation in copper small particles 415
Grillet, Y., → Guerrero, A. 583
Grisolia, C., → Rivoal, J.C. 481
Grobet, P.J., Martens, L.R.M., Vermeiren, W.J.M., Huybrechts, D.R.C., Jacobs, P.A.: Sodium clusters in zeolites 37
Guerrero, A., Reading, M., Grillet, Y., Rouquerol, J., Boitiaux, J.P., Cosyns, J.: Influence of dispersion on the energies of adsorption: H_2, CO, propylene and propyne on supported Pd or Pt 583
Guilleux, M.F., → Vergand, F. 425
Haberland, H., Ludewigt, C., Richter, T.: Electron attachment to clusters composed of closed shell, hydrogen containing molecules 289
Hadj Romdhane, Y., → De Gouveia, V. 587
Halicioglu, T.: Energy barriers and structural transitions of small Al clusters 73
Hall, B., Flüeli, M., Monot, R., Borel, J.P.: Electron diffraction on unsupported ultrafine silver particles 97
Harbich, W., → Lindsay, D.M. 15
Hartmann, A., Weil, K.G.: Equilibrium intermetallic particles in the gas phase – A Knudsen cell mass spectrometric study 11
Hector, R., → Begemann, W. 229
Heer, W.A. de, → Selby, K. 477
Henry, C.R., Poppa, H.: Auger and electron energy loss spectroscopies of small palladium particles supported on (111) oriented MgO films 421
Henry, C.R., Chapon, C., Penisson, J.M., Nihoul, G.: Structure of small palladium particles studied by HRTEM 145
Hensel, F., → Rademann, K. 431
Hertel, I.V., → Coffman, J.D. 297
Hila, F., → Chefi, C. 153
Hoareau, A., → Rayane, D. 217, 411
Hoareau, A., → Santos Aires, F. 149
Hoareau, A., → Treilleux, M. 131
Hoheisel, W., Schulte, U., Vollmer, M., Weidenauer, R., Träger, F.: Dissociation of small metal particles induced by surface plasmon excitation with laser light 245
Horan, P., Blau, W.: Nonlinear optics in quantum confined semiconductor particles 501
Howorka, F., → Stamatovic, A. 275
Huybrechts, D.R.C., → Grobet, P.J. 37
Iñiguez, M.P., → López, M.J. 237
Ishii, Y., → Sugano, S. 213
Jacobs, P.A., → Grobet, P.J. 37
Jarrold, M.F., Bower, J.E.: Chemisorption and chemical reactions on size selected clusters 551
Jellinek, J., → Li, D.H. 177
Jena, P., → Liu, F. 361
Jongh, L.J. de, Aguiar, J.A.O. de, Brom, H.B., Longoni, G., Ruitenbeek, J.M. van, Schmid, G., Smit, H.H.A., Staveren, M.P.J. van, Thiel, R.C.: Physical properties of high-nuclearity metal cluster compounds 445
Jongh, L.J. de, → Aguiar, J.A.O. de 457
Jongh, L.J. de, → Smit, H.H.A. 193
Jongh, L.J. de, → Staveren, M.P.J. van 451, 461
Jortner, J., Even, U., Ben-Horin, N., Scharf, D., Barnett, R.N., Landmann, U.: Dynamic and quantum size effects in molecular clusters 167
Joyes, P.., → Van de Walle, J. 221
Kaiser, B., → Rademann, K. 431
Kandler, O., → Leisner, T. 283
Kandler, O., → Miehle, W. 273
Kappes, M.M., → Pollack, St. 241
Kasuya, A., Nishina, Y.: Nanosecond emission spectra in μm space of Si particles sputtered by laser irradiation 493
Kawai, R., → Garzón, I.L. 81
Kawamura, K., → Tomiya, S. 469
Kay, E., → Laurent, C. 465
Kaya, K., Fuke, K., Nonose, S., Kikuchi, N.: Reaction of Al_n clusters with oxygen and ammonia 571
Kesper, J., → Buck, U. 293
Khanna, S.N., Reuse, F., Buttet, J.: Electronic structure and stability of charged beryllium clusters 357
Khanna, S.N., → Blaisten-Barojas, E. 77
Khanna, S.N., → Liu, F. 361
Khardi, S., → Rayane, D. 411
Kikuchi, N., → Kaya, K. 571
Klink, J.J. van der: Electronic properties of small platinum particles as seen by NMR 327
Knappe, P., → Rösch, N. 547
Knight, W.D.: Metallic free clusters 315
Knight, W.D., → Selby, K. 477
Kobayashi, S., Wago, K., Komori, F.: NMR in aluminum small particles in high magnetic field 399
Kobayashi, S., → Goto, T. 415
Kofman, R., → Garrigos, R. 497
Kolenda, J., → Froben, F.W. 485
Komori, F., → Goto, T. 415
Komori, F., → Kobayashi, S. 399
Kondow, T., Nagata, T., Kuchitsu, K.: A mechanism of electron attachment to small clusters 291
Koutecký, J., → Fantucci, P. 307
Kreibig, U., Fauth, K., Quinten, M., Schönauer, D.: Many-cluster-systems: models of inhomogeneous matter 505
Kreibig, U., → Fauth, K. 515
Kreibig, U., → Quinten, M. 521
Kreibig, U., → Schönauer, D. 527
Kreisle, D., → Rivoal, J.C. 481
Kresin, V., → Selby, K. 477
Kruse, N., Gillet, E.: Size effects in the CO oxidation over supported Pd particles 575
Kuchitsu, K., → Kondow, T. 291
Kunath, W., → Gao, P.Y. 119
Landmann, U., → Jortner, J. 167
Lauenstein, C., → Buck, U. 293
Laurent, C., Kay, E.: Electrical and magnetic properties of thin films containing metal clusters 465
Légaré, P., Finck, F., Roche, R., Maire, G.: Palladium particles growth on various aluminas 19
Leisner, T., Echt, O., Kandler, O., Xue-Jian, Y., Recknagel, E.: Quantized losses from charged nitrogen clusters 283
Leisner, T., → Miehle, W. 273
Leleyter, M.: Compared electronic structure of negative ions $M_pC_n^-$: I. Normal elements in Hückel theory 381
Leygnier, J., → Bréchignac, C. 199
Lezius, M., → Märk, T.D. 279
Li, D.H., Jellinek, J.: Rotating clusters: centrifugal distortion, isomerization, fragmentation 177
Lignieres, J., → Rivoal, J.C. 481
Limberger, H.G., Martin, T.P.: Ionization energies of cesium and cesium oxide clusters 439
Lindsay, D.M., Meyer, F., Harbich, W.: Neutralization and matrix deposition experiments on mass-selected silver atoms and clusters 15
Liu, F., Press, M.R., Khanna, S.N., Jena, P.: Magnetism and local order 361
Liu, Y.Y., → Begemann, W. 229
Llebaria, A., → Dussert, C. 41
Long, X.P., → Garzón, I.L. 81
Longoni, G., → Jongh, L.J. de 445
López, M.J., Mañanes, A., Alonso, J.A., Iñiguez, M.P.: Enrichment and seggregation in alkali heteroclusters 237
Lozzi, L., → De Crescenzi, M. 417
Ludewigt, C., → Haberland, H. 289
Lutz, H.O., → Begemann, W. 229
Lutz, H.O., → Ganteför, G. 405
Maire, G., → Légaré, P. 19
Maki, T., → Saito, Y. 127
Malrieu, J.P., → Spiegelmann, F. 341
Mañanes, A., → López, M.J. 237
Mandich, M.L., Reents, W.D. Jr.: Sequential reactions of silicon clusters with SiD_4: constrained heterogeneous nucleation of deuterated silicon particles 555
Marignier, J.L., → Mostafavi, M. 31
Märk, T.D.: Metastable decay of rare gas cluster ions: mechanism and kinetics 263
Märk, T.D., Scheier, P.: Observation and investigation of metastable decay series of $(N_2)_n^+$ cluster ions 285
Märk, T.D., Scheier, P., Lezius, M., Walder, G., Stamatovic, A.: Multiply charged cluster ions of Ar, Kr, Xe, N_2, O_2, CO_2, SO_2 and NH_3: production mechanism, appearance size and appearance energy 279
Märk, T.D., Stamatovic, A., Scheier, P.: Interactions of electrons with SF_6: ionization and attachment 303
Märk, T.D., → Stamatovic, A. 275
Martens, L.R.M., → Grobet, P.J. 37
Martin, T.P., → Bergmann, T. 443
Martin, T.P., → Limberger, H.G. 439

Martin, T.P., → Wasserman, B. 173
Martins, J.L.: New methods for the calculation of the electronic structure of clusters: application for Na_{13} to Na_{147} 347
Martins, J.L., → Moullet, I. 353
Maruyama, S.: The mode of deformation under varied tensile directions in laminar, colloidal gold 135
Masson, A., → De Gouveia, V. 587
Masui, J., → Selby, K. 477
Maynau, D., → Spiegelmann, F. 341
McElvany, S.W., → Parent, D.C. 567
McHugh, K.M., Sarkas, H.W., Eaton, J.G., Westgate, C.R., Bowen, K.H.: The smoke ion source: a device for the generation of cluster ions via inert gas condensation 3
Meiwes-Broer, K.H., → Begemann, W. 229
Meiwes-Broer, K.H., → Ganteför, G. 405
Melinon, P., → Santos Aires, F. 149
Melinon, P., → Rayane, D. 217, 411
Melinon, P., → Treilleux, M. 131
Meyer, F., → Lindsay, D.M. 15
Miehle, W., Echt, O., Kandler, O., Leisner, T., Recknagel, E.: Magic numbers of large rare gas clusters 273
Mihama, K., Tanaka, N.: Nm-sized crystallites embedded in single crystalline films of magnesium oxide 157
Mihama, K., → Saito, Y. 127
Mingos, D.M.P., Zhenyang, L.: A group theoretical paradigm for describing the skeletal molecular orbitals of cluster compounds. Part 3 53
Mitome, M., Tanishiro, V., Takayanagi, K.: On the structure and stability of small metal particles: high-resolution UHV electron microscope study 45
Möller, K., → Froben, F.W. 485
Möller, T., → Stapelfeldt, J. 435
Monot, R., → Hall, B. 97
Montano, P.A., Zhao, J., Ramanathan, M., Shenoy, G.K., Schulze, W.: Structure of Ag, Fe and Ge microclusters 103
Moonen, J.T., → Staveren, M.P.J. van 461
Mosseri, R., Sadoc, J.F.: Description of metallic and covalent clusters with icosahedral symmetry: the polytope model 89
Mostafavi, M., Marignier, J.L., Amblard, J., Belloni, J.: Silver-dependent thermodynamic properties of silver aggregates. Simulation of the photographic development process 31
Moullet, I., Martins, J.L., Reuse, F., Buttet, J.: Static electric dipole polarizability of small sodium aggregates 353
Müller, U., → Burtscher, H. 563
Nagata, T., → Kondow, T. 291
Nihoul, G., → Henry, C.R. 145
Nishi, N., Shinohara, H.: Intra-cluster ion-molecule reactions and photodissociation of molecular clusters 269
Nishina, Y., → Kasuya, A. 493
Noda, T., → Saito, Y. 225
Nonose, S., → Kaya, K. 571
Northby, J.A., Xie, J., Freeman, D.L., Doll, J.D.: Binding energy of large icosahedral and cuboctahedral Lennard-Jones clusters 69
Okazaki, T., → Saito, Y. 127
Pacchioni, G., Fantucci, P.: Bonding in nickel cluster carbonyls 395
Pacchioni, G., Bagus, P.S., Philpott, M.R.: Cluster-model study of the interaction of halogen atoms with Ag clusters 543
Palmari, J., → Dussert, C. 41
Parent, D.C., McElvany, S.W.: Reactions of small carbon cluster ions with HCN: a structural probe 567
Pasche, S., Borel, J.P.: Size dependence of the paramagnetic susceptibility of Mg and Zn clusters 401
Pastor, G.M., Stampfli, P., Benneman, K.H.: Calculation of the size dependence of the ionization energy and autoionization energy of Hg clusters 365
Penisson, J.M., Renou, A.: Structure of an icosahedral palladium particle 113
Penisson, J.M., → Henry, C.R. 145
Penisson, J.M., → Renou, A. 139
Pflaum, R., Recknagel, E.: Sodium halide clusters: evidence for direct electronic fragmentation 249
Pflaum, R., → Bréchignac, C. 199
Pflaum, R., → Schild, D. 235
Philpott, M.R., → Pacchioni, G. 543
Picozzi, P., → De Crescenzi, M. 417
Pollack, St., Wang, C.R.C., Kappes, M.M.: Metal-insulator transitions in microclusters? Mixed sodium/sodium chloride aggregates 241
Poppa, H., → Henry, C.R. 421
Press, M.R., → Liu, F. 361
Quinten, M., Schönauer, D., Kreibig, U.: Electronic excitations in many-particle systems: a quantitative analysis 521
Quinten, M., → Kreibig, U. 505
Quinten, M.., → Schönauer, D. 527
Rademann, K., Kaiser, B., Rech, T., Hensel, F.: Vacuum UV-photoemission photoion coincidence spectroscopy of neutral metal atom clusters 431
Raghavachari, K.: Theoretical studies on carbon and silicon clusters: comparison of the structures and stabilities of neutral and ionic forms 61
Ramanathan, M., → Montano, P.A. 103
Ramaroson, E., → Vergand, F. 425
Raoult, B., Farges, J., Feraudy, M.F. de, Torchet, G.: Stability of relaxed Lennard-Jones models made of 500 to 6000 atoms 85
Raoult, B., → Torchet, G. 93
Rasigni, G., → Dussert, C. 41
Rasigni, M., → Dussert, C. 41
Rayane, D., Melinon, P., Cabaud, B., Hoareau, A., Khardi, S., Tribollet, B., Broyer, M.: Electronic and chemical properties of indium clusters 411
Rayane, D., Melinon, P., Cabaud, B., Hoareau, A., Tribollet, B., Broyer, M.: Evaporation of tetramers in Sb_{4n} clusters and conditions for the formation of Sb_{2n+1} clusters 217
Reading, M., → Guerrero, A. 583
Rech, T., → Rademann, K. 431
Recknagel, E., → Leisner, T. 283
Recknagel, E., → Miehle, W. 273
Recknagel, E., → Pflaum, R. 249
Recknagel, E., → Schild, D. 235
Reents, W.D. Jr., → Mandich, M.L. 555
Renou, A., Penisson, J.M., Gillet, M.F.: Atomic structural rearrangements induced by electron beam heating of coalesced particles 139
Renou, A., → Desrousseaux, G. 23
Renou, A., → Penisson, J.M. 113
Renou, A., → Robrieux, B. 27
Reuse, F., → Khanna, S.N. 357
Reuse, F., → Moullet, I. 353
Richter, T., → Haberland, H. 289
Riefer, G., → Schild, D. 235
Riley, S.J.: Reactivity of free clusters 537
Rivoal, J.C., Grisolia, C., Lignieres, J., Kreisle, D., Fayet, P., Wöste, L.: Apsorption spectroscopy of size-selected trimers and pentamers transition metal clusters isolated in rare gas solids: preliminary steps 481
Robrieux, B., Desrousseaux, G., Renou, A., Gillet, M.: Morphology determination of small particles by electron microscopy and electrical conduction measurements 27
Robrieux, B., → Desrousseaux, G. 23
Roche, R., → Légaré, P. 19
Rösch, N., Sandl, P., Knappe, P., Görling, A., Dunlap, B.I.: On the splitting of the CO 1π level in the chemisorption system CO/Ni (111): substrate or lateral interaction? 547
Rosén, A., Wästberg, B.: Electronic structure of spheroidal metal containing carbon shells: study of the LaC_{60} and C_{60} clusters and their ions within the local density approximation 387
Rosén, A., → Wästberg, B. 377
Roulet, H., → Vergand, F. 425
Rouquerol, J., → Guerrero, A. 583
Roux, J.Ph., → Bréchignac, C. 199
Rubio, A., Balbás, L.C., Vega, A.: Theoretical study of the stability X_N^n($n=-1, 0, +1, +2$; X = Ag, Cu; $N \ll 25$) clusters as a function of size using a non-local density functional formalism 209
Ruitenbeek, J.M. van, → Jongh, L.J. de 445
Sadoc, J.F., → Mosseri, R. 89
Saito, S., Cohen, M.L.: Jellium-model calculation for monomer and dimer decays of some potassium clusters 205
Saito, Y., Noda, T.: Cluster cations ejected from liquid metal ion source: alkali metals (Li, Na) and group IV elements (Si, Ge, Sn, Pb) 225
Saito, Y., Maki, T., Okazaki, T., Mihama, K.: Fine particles of icosahedral quasicrystal formed by gas evaporation technique 127
Sandl, P., → Rösch, N. 547
Santos, M.C. dos, Aguiar, J.A.O. de: Molecular orbital calculations on transition metal clusters 391
Santos Aires, F., Treilleux, M., Fuchs, G., Hoareau, A., Melinon, P., Cabaud, B.: Size distribution of Bi clusters deposits on amorphous carbon substrates 149
Santos Aires, F., → Treilleux, M. 131
Santucci, S., → De Crescenzi, M. 417

Sarkas, H.W., → McHugh, K.M. 3
Saunders, W.A.: Optical and chemical studies of II-VI compound clusters 601
Sawada, S., Sugano, S.: Dynamics of transition-metal clusters 189
Schaffar, H., → Desrousseaux, G. 23
Scharf, D., → Jortner, J. 167
Scheier, P., → Märk, T.D. 285
Scheier, P., → Märk, T.D. 279, 303
Scheier, P., → Stamatovic, A. 275
Schild, D., Pflaum, R., Riefer, G., Recknagel, E.: Enrichment of Zintl cluster ions 235
Schmid, G., → Aguiar, J.A.O. de 457
Schmid, G., → Benfield, R.E. 533
Schmid, G., → Fauth, K. 515
Schmid, G., → Jongh, L.J. de 445
Schmid, G., → Staveren, M.P.J. van 451, 461
Schmidt-Ott, A., → Burtscher, H. 563
Schönauer, D., Quinten, M.., Kreibig, U.: Precursor-states of percolation in quasi-fractal many-particle-systems 527
Schönauer, D., → Kreibig, U. 505
Schönauer, D., → Quinten, M. 521
Schulte, J., → Franke, G. 65
Schulte, U., → Hoheisel, W. 245
Schulze, W., → Charlé, K.P. 471
Schulze, W., → Montano, P.A. 103
Selby, K., Vollmer, M., Masui, J., Kresin, V., Heer, W.A. de, Knight, W.D.: Investigation of surface plasma resonances in small sodium clusters 477
Shenoy, G.K., → Montano, P.A. 103
Shim, I., Gingerich, K.A.: The nickel group IV molecules NiC, NiSi, and NiGe 373
Shinohara, H., → Nishi, N. 269
Smit, H.H.A., Thiel, R.C., Jongh, L.J. de: The thermal motion of gold atoms in metal cluster compounds as determined by Mössbauer and specific heat 193
Smit, H.H.A., → Jongh, L.J. de 445
Spiegelmann, F., Blaise, P., Malrieu, J.P., Maynau, D.: Electronic correlation and effective interactions in small alkali clusters 341
Stamatovic, A., Howorka, F., Scheier, P., Märk, T.D.: Fragmentation of neutral van-der-Waals clusters with visible laser light: a new variant of the Raman effect? 275
Stamatovic, A., → Märk, T.D. 279, 303
Stampfli, P., → Pastor, G.M. 365
Stapelfeldt, J., Wörmer, J., Zimmerer, G., Möller, T.: Fluorescence of rare gas clusters excited with synchrotron radiation 435
Staveren, M.P.J. van, Brom, H.B., Jongh, L.J. de, Schmid, G.: NMR of metal-core bonded ^{31}P in polynuclear metal cluster compounds 451
Staveren, M.P.J. van, Moonen, J.T., Brom, H.B., Jongh, L.J. de, Schmid, G.: Ac and dc electrical conductivity of polynuclear metal cluster compounds 461
Staveren, M.P.J. van, → Jongh, L.J. de 445
Sugano, S., Tamura, A., Ishii, Y.: Theory of fragmentation of metal clusters 213
Sugano, S., → Sawada, S. 189
Takayanagi, K., → Mitome, M. 45
Tamura, A., → Sugano, S. 213
Tanaka, N., → Mihama, K. 157
Tanishiro, V., → Mitome, M. 45
Tazi, T., → Coq, B. 579
Tempère, J.F., → Vergand, F. 425
Thiel, R.C., → Jongh, L.J. de 445
Thiel, R.C., → Smit, H.H.A. 193
Thölen, A.: Electron microscope studies of the regular twinning structure and the grain boundary structure in a system of cobalt particles 123
Tiggesbaümker, J., → Begemann, W. 229
Tolle, M., → Buck, U. 293
Tomiya, S., Kawamura, K.: Optical absorption of small metallic particles 469
Torchet, G., Farges, J., Feraudy, M.F. de, Raoult, B.: Structural transitions in SF_6 clusters 93
Torchet, G., → Raoult, B. 85
Träger, F., → Hoheisel, W. 245
Treilleux, M., Fuchs, G., Santos Aires, F., Melinon, P., Hoareau, A., Cabaud, B.: Lattice imaging of bismuth clusters 131
Treilleux, M., → Santos Aires, F. 149
Tribollet, B., → Rayane, D. 217, 411
Ugarte, D., Colliex, C.: Investigation of local chemical and electronic properties of small particles with EELS point analysis and image energy filtering in a STEM 333
Urban, J., → Giorgio, S. 115
Van de Walle, J., Joyes, P..: Role of fragmentation processes in the liquid metal ion source production of aggregates 221
Vega, A., → Rubio, A. 209
Vergand, F., Roulet, H., Dufour, G., Bonnelle, C., Ramaroson, E., Tempère, J.F., Guilleux, M.F., Delafosse, D.: Electron distribution on small Ni particles and Ce ions in X and Y zeolites related to their catalytic properties 425
Vermeiren, W.J.M., → Grobet, P.J. 37
Vogel, W., → Gnutzmann, V. 597
Vollmer, M., → Hoheisel, W. 245
Vollmer, M., → Selby, K. 477
Wago, K., → Kobayashi, S. 399
Walder, G., → Märk, T.D. 279
Wang, C.R.C., → Pollack, St. 241
Wasserman, B., Martin, T.P.: Computer simulations of photoionization 173
Wästberg, B., Rosén, A., Ellis, D.E.: First principles calculations of K-edge X-ray absorption near edge spectra of small transition metal dimers 377
Wästberg, B., → Rosén, A. 387
Weare, J.H., → Garzón, I.L. 81
Weidenauer, R., → Hoheisel, W. 245
Weil, K.G., → Hartmann, A. 11
Weiner, J., → Bréchignac, C. 199
Weiss, K., → Gao, P.Y. 119
Wertheim, G.K.: Electronic structure of metal clusters 319
Westgate, C.R., → McHugh, K.M. 3
Winter, B., → Charlé, K.P. 471
Winter, M., → Buck, U. 293
Wörmer, J., → Stapelfeldt, J. 435
Wöste, L., → Rivoal, J.C. 481
Xie, J., → Northby, J.A. 69
Xue-Jian, Y., → Leisner, T. 283
Yamaguchi, T., Fujima, N.: Shell structure of electronic states of Cu clusters 369
Zhao, J., → Montano, P.A. 103
Zhenyang, L., → Mingos, D.M.P. 53
Zimmerer, G., → Stapelfeldt, J. 435

Indexed in *Current Contents*
Evaluated and abstracted
for PHYS on STN